

## NTRM Certifications

| Compound                   | Concentration Range                        | Cost  |
|----------------------------|--|-------|
| Carbon Dioxide             | 2 µmol/mol to 20 % mol/mol                 | Fee 1 |
| Carbon Monoxide            | 0.1 µmol/mol to 15 % mol/mol               | Fee 1 |
| Hydrogen Sulfide           | 1 µmol/mol to 400 µmol/mol                 | Fee 1 |
| Natural Gas                | Compounds up to C6 – call for consultation | Fee 2 |
| Nitric Oxide – High        | 50 µmol/mol to 3000 µmol/mol               | Fee 1 |
| Nitric Oxide – Low         | 5 µmol/mol to 20 µmol/mol                  | Fee 2 |
| Nitrous Oxide <sup>1</sup> | 0.300 µmol/mol to 5 % mol/mol              | Fee 1 |
| Methane                    | 0.5 µmol/mol to 4 % mol/mol                | Fee 1 |
| Oxygen                     | 0.4 % mol/mol to 25 % mol/mol              | Fee 1 |
| Propane                    | 5 nmol/mol to 2 % mol/mol                  | Fee 1 |
| Sulfur Dioxide - High      | 50 µmol/mol to 5000 µmol/mol               | Fee 1 |
| Sulfur Dioxide – Low       | 5 µmol/mol to 50 µmol/mol                  | Fee 2 |

1) Available second quarter 2012

## NTRM Certification Costs (2012)

| Service  | Cost<br>10 to 20 cylinders | Cost<br>21 to 40 cylinders | Cost<br>41 to 60 cylinders | Expected<br>Delivery |
|--|----------------------------|----------------------------|----------------------------|----------------------|
| Fee 1  | \$8,250                    | \$11,000                   | \$13,750                   | 2 months             |
| Fee 2  | \$9,250                    | \$12,000                   | \$14,750                   | 3 months             |
| Recertification                                    | \$800                      | \$800                      | \$800                      | 1 month              |
| Recertification with<br>batch standard<br>analysis | \$2,300                    | \$2,300                    | \$2,300                    | 2 months             |

## RGM Certifications (Call for quote)

| Compound                    | Concentration Range          |
|-----------------------------|------------------------------|
| Ammonia                     | 5 µmol/mol to 50 µmol/mol    |
| Argon                       | Call to discuss options      |
| Atmospheric Carbon Monoxide | 40 nmol/mol to 400 nmol/mol  |
| Atmospheric Carbon Dioxide  | 350 µmol/mol to 420 µmol/mol |
| Atmospheric Nitrous Oxide   | 300 nmol/mol to 350 nmol/mol |
| Atmospheric Methane         | 1.7 µmol/mol to 2.2 µmol/mol |
| Formaldehyde                | 0.5 µmol/mol to 10 µmol/mol  |
| Nitrogen                    | Call to discuss options      |
| Nitrogen Dioxide            | 5 µmol/mol to 100 µmol/mol   |
| Volatile Organic Compounds  | Call to discuss options      |
| Zero Air                    | Call to discuss options      |
| Zero Nitrogen               | Call to discuss options      |

1) Contact NIST for certification cost quote